






Assessment Summary

Little White Oak Creek 0.0 to 2.4 KY496895_01	 <p>This part of the stream partially supports aquatic life, partially supports swimming (Primary Contact Recreation).</p>
Mouth to Headwaters	
Marshall County, Tennessee River Basin	
HUC 06040006	
Assessment Date: 3/22/2006	




Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (4C-PS)	Benthic-Macroinvertebrate Bioassessments	Agriculture, Package Plant or Other Permitted Small Flows Discharges	Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water	Biological Monitoring, Habitat Assessment
 (5-PS)	Nitrate/Nitrite (Nitrite + Nitrate as N)	Agriculture, Package Plant or Other Permitted Small Flows Discharges	Concentrations are negatively affecting the aquatic community	Biological Monitoring, Habitat Assessment
 (5-PS)	Nutrient/Eutrophication Biological Indicators	Package Plant or Other Permitted Small Flows Discharges	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment
 (5-PS)	Organic Enrichment (Sewage) Biological Indicators	Package Plant or Other Permitted Small Flows Discharges	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): DMR, KDOW PROB

³ Data Collection Date(s): 4/6/2005

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 (5-PS)	Phosphorus (Total)	Agriculture, Package Plant or Other Permitted Small Flows Discharges	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment
 (5-PS)	Total Kjeldahl Nitrogen (TKN)	Agriculture, Package Plant or Other Permitted Small Flows Discharges	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment
 (5B-PS)	Fecal Coliform	Agriculture, Package Plant or Other Permitted Small Flows Discharges	Concentrations exceeded the water quality standard	Discharger Self-Monitoring Data, Pathogen Monitoring

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